



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>A47D 13/02</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/53060</b> <b>(43) International Publication Date:</b> 14 September 2000 (14.09.00)
<b>(21) International Application Number:</b> PCT/IS00/00003 <b>(22) International Filing Date:</b> 10 March 2000 (10.03.00) <b>(30) Priority Data:</b> 4997 11 March 1999 (11.03.99) IS <b>(71)(72) Applicant and Inventor:</b> GUDMUNDSSON, Larus, Jon [IS/IS]; Gardavegi 4, IS-220 Hafnarfjordur (IS). <b>(74) Agent:</b> A & P Amason; Borgartun 24, IS-105 Reykjavik (IS).		<b>(81) Designated States:</b> AL, AM, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE (Utility model), DK (Utility model), EE, ES, FI (Utility model), GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
<b>(54) Title:</b> DEVICE FOR CARRYING A CHILD  <b>(57) Abstract</b> <p>The invention concerns a configuration for carrying a child upon the shoulders of an adult. The device comprises a seat section (21) partly encircling the neck of the adult, and leg sections (22) extending from the end portion's semi-circular seat section. When in use the leg sections reach down over the chest of the adult. The seat section (21) is a cushion saddle (28) and the leg section (22) is equipped with stirrups (12) or footrests for the child's feet, said stirrups carrying at least partly the child's weight.</p> <div> </div>		

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## Device for carrying a child

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### Technical field

The invention relates to a device for carrying a child in seated position upon the shoulders of an adult. The device comprises a seat section partly encircling the neck of the adult, and a leg section reaching down over the chest of the adult.

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### Background Art

Children and infants are often carried by adults, normally their parents, where the child is seated upon the shoulders of the adult. The most common way of doing this is by the adult holding on to the child's hands or for an older child on to his feet. Numerous devices have been described whereby children can be carried by a large person such as parent or other adult. One type of carrier is designed to carry the child papoose-style on the back of the adult, employing devices similar to camper's backpacks. The papoose-style carrier is well suited for carrying infants for a relatively long period of time. For older children, who need to be carried for a shorter period of time or need a better viewing position, a shoulder-mounted carrier is preferable.

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In U.S. Patent No. 4.915.277 a holder with a saddle seat is positioned against the adult's upper thigh. In U.S. Patents No. 3.968.910, 4.416.403 and 4.484.700 a shoulder mounted seats for infants and children are described. The design enables the child to be seated upon the shoulder of the adult with his legs straddling the adult's neck and extending downwardly upon the chest region of the adult. Those seats are designed of collapsible structure enabling easy carrying when not in use. In U.S. Patent NO. 5.335.834 a carrying seat is introduced, comprising an integral inflatable structure fabricated of flexible polymeric sheet material. The carrying seat is made of a main portion of a horseshoe or U-shaped contour, having an

inflation valve, an arcuate rear region, opposed leg portions forwardly disposed from said rear region, and upper and lower surfaces. An abutment member is upwardly emergent from said upper surface in said region adjacent to said interior seam. The carrying seat is of substantially symmetrical shape with respect to plane orthogonal to said upper and lower surface and bisecting said rear portion in parallel relationship to said leg portions.

The design as introduced in U.S. Patent No. 5,335,834 is in many ways advantageous over its prior art, however there are still many disadvantages employed with its use. The two main disadvantages are that the seat section does not support the correct upright sitting posture of the child and secondly that the weight of the child is not correctly carried by the adult.

Extension of the lumbar spine is believed to be beneficial as compared to flexion of the lumbar spine as a result in lower intradiscal pressure. The natural upright curvature of the spine can only be adopted when the pelvis is in the neutral or slightly anterior tilted position. Research has indicated that forward inclination of seats between 4-10° (degrees) ensure adequate extension of the lumbar spine through anterior tilting of the pelvis. Furthermore, increased lumbar extension has as an added effect that the thoracic spine becomes more vertical which in turn can enhance breathing.

#### **Disclosure of the Invention**

The object of the invention is to provide a device for carrying a child in seated position upon the shoulder of an adult where a correct upright sitting position of the child is encouraged and the weight support of the adult is carried as correctly and ergonomically as possible by the adult.

The device according to the invention comprises a configuration for carrying a child upon the shoulder of an adult where a seat section partly encircles the neck of the adult and a leg section reaching down over the chest of the adult, characterized in said seat section being a cushion saddle and the leg

section having stirrups for the child's feet, said stirrups carrying at least partly the child's weight.

The invention is further unique according to the characteristic part of the patent claims 2-6.

### **Brief Description of the Drawings**

The invention is explained in greater details below with reference to the accompanying drawings in which;

Figure 1 shows a front side view of the device,

Figure 2 shows a side view of the device,

Figure 3 shows a cross sectional cut A - A from fig. 1,

Figure 4 shows a child seated upon the shoulder of an adult using the shoulder seat device, and

Figure 5 shows a child seated upon the shoulder of an adult without the support of the device.

### **More detailed Description of the Drawings and one presently preferred exemplary embodiment of the Invention**

The seat configuration as illustrated in figure 1 - 3 is comprised of an inflatable main portion (21), forming the seat for carrying the child. The main portion of the device or the so-called seat section (21) is preferably made of any kind of flexible sheet material. The material is preferably sewed and/or welded together to form an inflatable main portion. The seat section (21) has a horseshoe-like or semi-circular contour. The leg sections (22) extend from the non-inflatable end portion (7) of the seat section (21) and form a

kind of stirrups (12) for the child to place its feet in. The seat section's inner part (5) forms about or little more than 3/4 of enclosed circle. Thereby the device partly encircles the neck of the adult when in use. The leg section is secured to the non-inflatable end portion (7) of the seat section by metal eye (8) where the upper strap (9) portion of the leg section is fastened to. The length of the leg section is adjustable by strap length adjuster's (10) allowing individual adjustments for the optimal comfort for the child and the adult carrying the child. A footrest or stirrups (12) are arranged at the end of the leg section. The stirrups are connected to the length adjuster's (10) by lower straps (11).

In figure 4 - 5 the sitting posture of a child seated upon the shoulder of an adult (25) is illustrated. In figure 4 the child (24) is supported by the cushion saddle seat (1) and is situated in a correct upright position with his back spine (26) as close as possible to a vertical alignment.

Figure 5 illustrates the typical sitting posture of a child (24) seated upon the shoulder of an adult (25) having no support. The child's back spine is curved and the sitting position is abnormal. The two figures illustrate clearly the difference in the sitting posture of a child with or without the aid of the cushion saddle seat. By using the device the sitting posture of the child (24) will be much more natural and ergonomic as well as it is much easier for the adult (25) to carry the child.

The invention described here above is not limited to precisely those details which have been specified, but can be elaborated upon in many ways without deviating from the central concept and spirit of the invention as defined in the patent claims below.

## Patent Claims

1. A device for carrying a child (24) upon the shoulder of an adult (24), comprising; seat section (21) partly encircling the neck of the adult, and a  
5 leg section (22) reaching down over the chest of the adult, the seat section (21) being a cushion saddle (1) wherein the leg section (22) having stirrups (12) for the child's feet, said stirrups carrying at least partly the child's weight.
- 10 2. Device according to claim 1, wherein the upper surface (1) of the seat section (21) being forwardly inclined with respect to horizontal plane.
- 15 3. Device according to claim 1, wherein in the thickness of the seat section is decreasing in direction toward the leg section (22).
- 20 4. Device according to claim 1, 2 or 3, wherein in that the inclination of the seat section being about 4 - 10° with respect to horizontal plane.
- 25 5. Device according to claim 1, wherein in that the leg section (22) length being adjustable.
- 30 6. Device according to any one of the claim 1 - 5, wherein in that the inner part (5) of the seat section (21) is semi-circular and at least partly encircle the neck of the adult.

Fig. 1

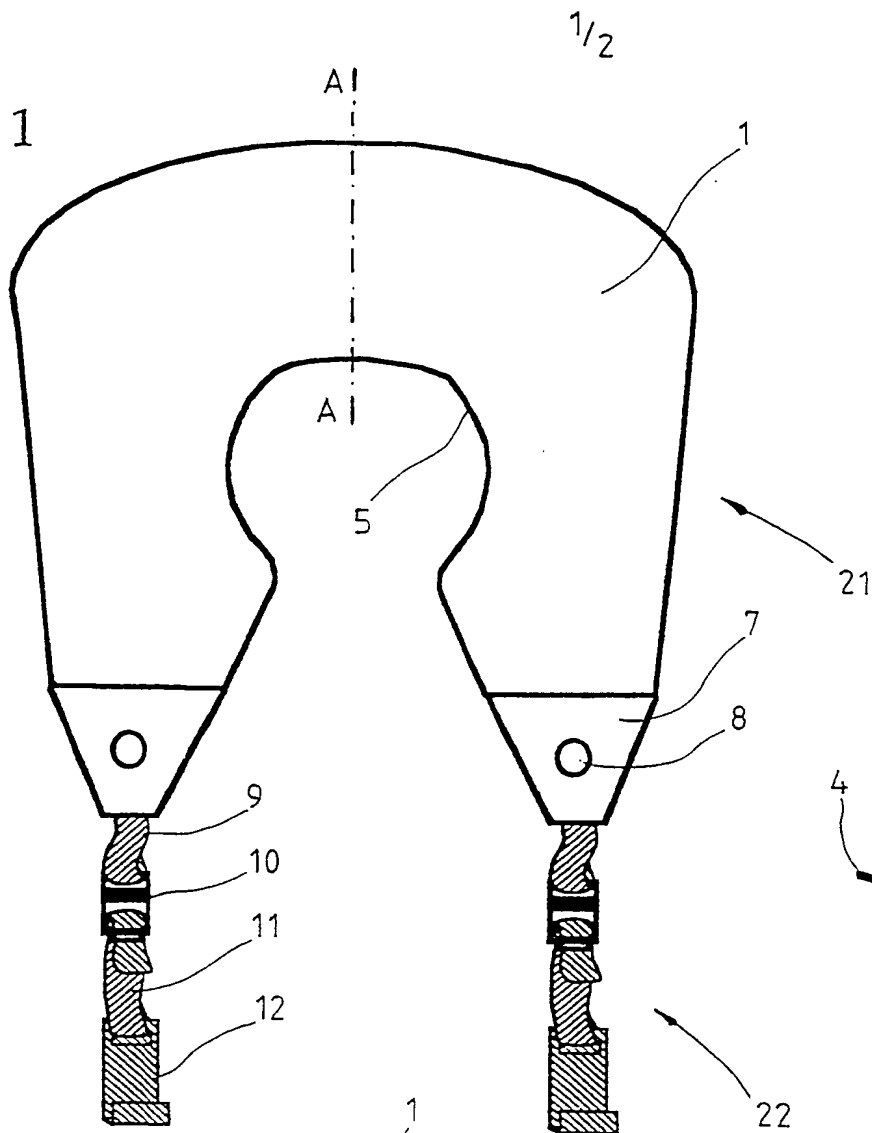


Fig. 3

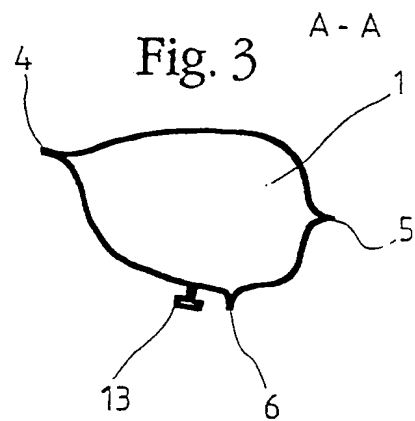
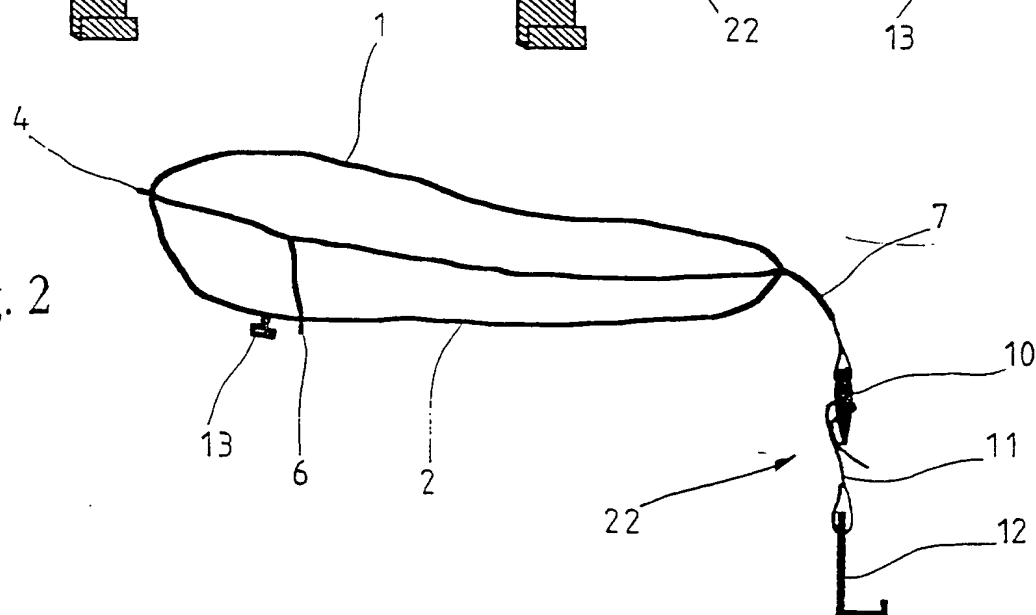


Fig. 2





2/2

Fig 4

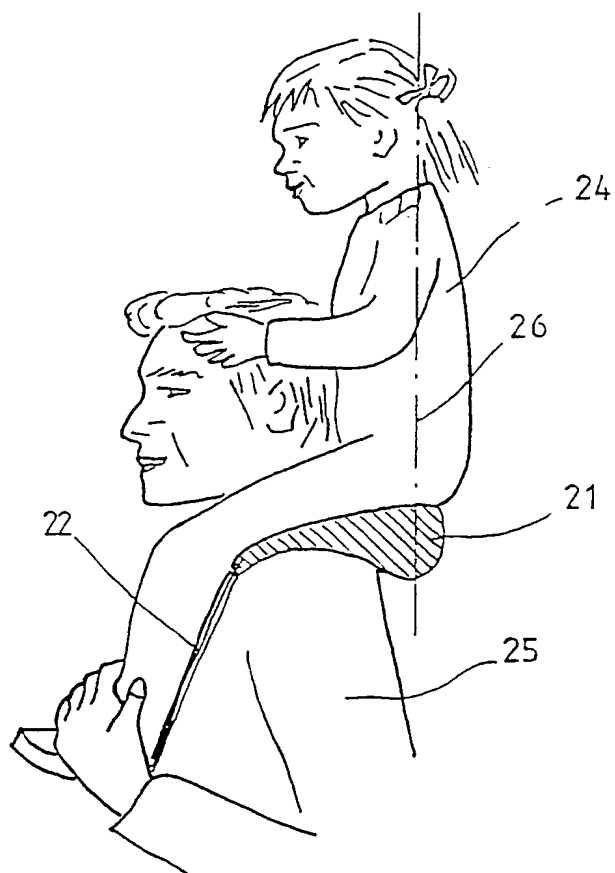
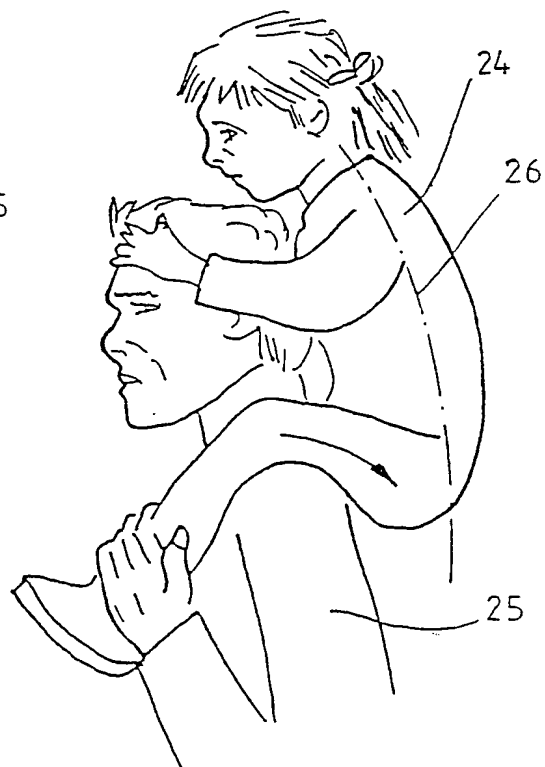


Fig 5



## PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

To:

A & P Arnason  
Borgartun 24  
IS-105 Reykjavik  
ISLANDE

<b>Date of mailing</b> (day/month/year) 01 November 2000 (01.11.00)	<b>IMPORTANT NOTIFICATION</b>
<b>Applicant's or agent's file reference</b> P 117 PC 00	
<b>International application No.</b> PCT/IS00/00003	<b>International filing date</b> (day/month/year) 10 March 2000 (10.03.00)

## 1. The following indications appeared on record concerning:

☒ the applicant      ☐ the inventor      ☐ the agent      ☐ the common representative

<b>Name and Address</b> GUDMUNDSSON, Larus, Jon	<b>State of Nationality</b>	<b>State of Residence</b>
	<b>Telephone No.</b>	
	<b>Facsimile No.</b>	
	<b>Teleprinter No.</b>	

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person      ☐ the name      ☐ the address      ☐ the nationality      ☐ the residence

<b>Name and Address</b> GIRAFFE A ISLANDI Gardavegi 4 220 Hafnarfjordur Iceland	<b>State of Nationality</b> IS	<b>State of Residence</b> IS
	<b>Telephone No.</b>	
	<b>Facsimile No.</b>	
	<b>Teleprinter No.</b>	

## 3. Further observations, if necessary:

**Applicant in Box 1. has assigned his rights to applicant in Box 2. and is now registered as applicant and inventor for US only. Applicant in Box 2. is applicant for all designated States except US.**

## 4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input checked="" type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

<b>The International Bureau of WIPO</b> 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No.: (41-22) 740.14.35	<b>Authorized officer</b>  C. Cupello  Telephone No.: (41-22) 338.83.38
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## PATENT COOPERATION TREATY

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## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

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<b>International application No.</b> PCT/IS00/00003	<b>Applicant's or agent's file reference</b> P 117 PC 00
<b>International filing date</b> (day/month/year) 10 March 2000 (10.03.00)	<b>Priority date</b> (day/month/year) 11 March 1999 (11.03.99)
<b>Applicant</b> GUDMUNDSSON, Larus, Jon	

1. The designated Office is hereby notified of its election made:



in the demand filed with the International Preliminary Examining Authority on:

11 October 2000 (11.10.00)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No.: (41-22) 740.14.35	Authorized officer  F. Baechler  Telephone No.: (41-22) 338.83.38
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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

REC'D 10 JUL 2001

PCT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference P 117 PC 00	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/IS00/00003	International filing date (day/month/year) 10.03.2000	Priority date (day/month/year) 11.03.1999
International Patent Classification (IPC) or national classification and IPC <sup>7</sup> A47D 13/02		
Applicant Giraffe a Islandi et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 1 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  11.10.2000	Date of completion of this report  18.06.2001
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer  S-E Bergdahl / JA A Telephone No. 08-782 25 00

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IS00/00003

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
pages 1-4 , as originally filed  
pages \_\_\_\_\_ , filed with the demand  
pages \_\_\_\_\_ , filed with the letter of \_\_\_\_\_
- ☒ the claims:  
pages \_\_\_\_\_ , as originally filed  
pages \_\_\_\_\_ , as amended (together with any statement) under article 19  
pages \_\_\_\_\_ , filed with the demand  
pages 5 , filed with the letter of 29.05.2001
- ☒ the drawings:  
pages 1-2 , as originally filed  
pages \_\_\_\_\_ , filed with the demand  
pages \_\_\_\_\_ , filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_ , as originally filed  
pages \_\_\_\_\_ , filed with the demand  
pages \_\_\_\_\_ , filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheet/fig \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IS00/00003

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	<u>1-6</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-6</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-6</u>	YES
	Claims		NO

**2. Citations and explanations (Rule 70.7)**

The invention related to a device for carrying a child in seated position upon the shoulders of an adult. The device comprises a seat section partly encircling the neck of the adult, and a leg section reaching down over the chest of the adult.

It should be emphasized that by introducing the device disclosed in the above identified application it is now - possible in a relatively simple and cost effective manner to provide an adult as well as a child with a device being ergonomically safe, encourage bio-medically and anatomically correct sitting posture. And it is easy to use.

In the cited NO-A-302994 patent no suggestion is made, or for that reason implied, that the effect of the foot support is anything other than to diminish the pressure on the popliteal fossa. The device is proposed for papoose-style carrying of the child on the back, not on the shoulder of the adult.

In the cited US-A-5335834 a carrying seat with integral inflatable structure is introduced. The, 834 patent does not teach the use of stirrups to support the correct upright sitting position of the child as well as the correct weight support of the adult.

.../...

**Supplemental B x**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

The applicant has submitted amended claims.

The above mentioned documents only describe the prior art.

They do not show the features in the characterising part of claim 1, i.e. that the leg section having stirrups for the child's feet which stirrups carry at least partly the child's weight and thereby enhancing the upright sitting posture of the child.

Claims 1 to 6, therefor, fulfil the requirements of novelty, inventive step and industrial applicability as prescribed by Article 33 PCT.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IS 00/00003

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A47D 13/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A47D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5335834 A (VERINA), 9 August 1994 (09.08.94), abstract, figures --	1-6
Y	NO 302994 B (ANNE SÖRENSEN), 18 May 1998 (18.05.98), figures --	1-6
A	US 3698608 A (ENTWISTLE), 17 October 1972 (17.10.72) -- -----	1-6

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

25 May 2000

Date of mailing of the international search report

10-07-2000

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

S-E Bergdahl / JA A  
Telephone No. +46 8 782 25 00



**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/IS 00/00003**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5335834 A	09/08/94	NONE	
NO 302994 B	18/05/98	NO 970852 D	00/00/00
US 3698608 A	17/10/72	NONE	

# PCT

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

09/936493

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum)

P 117 PC 00

<b>Box No. I</b>	<b>TITLE OF INVENTION</b>			<b>DEVICE FOR CARRYING A CHILD</b>		
<b>Box No. II</b>	<b>APPLICANT</b>					
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)  <div style="text-align: center;"> <b>GUDMUNDSSON, Larus Jon</b>  <b>Gardavegi 4</b>  <b>220 Hafnarfjordur</b>  <b>Iceland</b> </div>				<input checked="" type="checkbox"/> This person is also inventor.  Telephone No.  Facsimile No.  Teleprinter No.		
State (i.e. country) of nationality: <b>Iceland</b>				State (i.e. country) of residence: <b>Iceland</b>		
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box						
<b>Box No. III</b>	<b>FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)</b>					
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)  <div style="text-align: center;"> <b>GUDMUNDSSON, Larus Jon</b>  <b>Gardavegi 4</b>  <b>220 Hafnarfjordur</b>  <b>Iceland</b> </div>				This person is:  <input type="checkbox"/> applicant only  <input checked="" type="checkbox"/> applicant and inventor  <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)		
State (i.e. country) of nationality: <b>Iceland</b>				State (i.e. country) of residence: <b>Iceland</b>		
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box						
<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.						
<b>Box No. IV</b>	<b>AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE</b>					
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:						<input checked="" type="checkbox"/> agent <input type="checkbox"/> common representative
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  <div style="text-align: center;"> <b>A&amp;P Arnason</b>  <b>Borgartun 24</b>  <b>105 Reykjavik</b>  <b>Iceland</b> </div>				Telephone No. <b>+354 540 0200</b>  Facsimile No. <b>+354 540 0201</b>  Teleprinter No.		
<input type="checkbox"/> Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.						

**Box No. V DESIGNATION OF STATES**

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes: at least one must be marked):

**Regional Patent**

- ☒ **AP ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda,
- ☒ **EA Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP European Patent:** AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ **OA OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of PCT (if other kind of protection or treatment desired, specify on dotted line)

**National Patent (if other kind of protection or treatment desired specify on dotted line)**

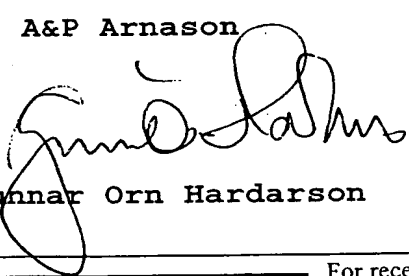
- |   |   |
|---|---|
| <input checked="" type="checkbox"/> <b>AL</b> Albania                               | <input checked="" type="checkbox"/> <b>LS</b> Lesotho                                   |
| <input checked="" type="checkbox"/> <b>AM</b> Armenia                               | <input checked="" type="checkbox"/> <b>LT</b> Lithuania                                 |
| <input checked="" type="checkbox"/> <b>AT</b> Austria <u>Utility model</u>          | <input checked="" type="checkbox"/> <b>LU</b> Luxembourg                                |
| <input checked="" type="checkbox"/> <b>AU</b> Australia                             | <input checked="" type="checkbox"/> <b>LV</b> Latvia                                    |
| <input checked="" type="checkbox"/> <b>AZ</b> Azerbaijan                            | <input checked="" type="checkbox"/> <b>MD</b> Republic of Moldova                       |
| <input checked="" type="checkbox"/> <b>BA</b> Bosnia and Herzegovina                | <input checked="" type="checkbox"/> <b>MG</b> Madagascar                                |
| <input checked="" type="checkbox"/> <b>BB</b> Barbados                              | <input checked="" type="checkbox"/> <b>MK</b> The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> <b>BG</b> Bulgaria                              | <input checked="" type="checkbox"/> <b>MN</b> Mongolia                                  |
| <input checked="" type="checkbox"/> <b>BR</b> Brazil                                | <input checked="" type="checkbox"/> <b>MW</b> Malawi                                    |
| <input checked="" type="checkbox"/> <b>BY</b> Belarus                               | <input checked="" type="checkbox"/> <b>MX</b> Mexico                                    |
| <input checked="" type="checkbox"/> <b>CA</b> Canada                                | <input checked="" type="checkbox"/> <b>NO</b> Norway                                    |
| <input checked="" type="checkbox"/> <b>CH and LI</b> Switzerland and Liechtenstein  | <input checked="" type="checkbox"/> <b>NZ</b> New Zealand                               |
| <input checked="" type="checkbox"/> <b>CN</b> China                                 | <input checked="" type="checkbox"/> <b>PL</b> Poland                                    |
| <input checked="" type="checkbox"/> <b>CU</b> Cuba                                  | <input checked="" type="checkbox"/> <b>PT</b> Portugal                                  |
| <input checked="" type="checkbox"/> <b>CZ</b> Czech Republic                        | <input checked="" type="checkbox"/> <b>RO</b> Romania                                   |
| <input checked="" type="checkbox"/> <b>DE</b> Germany <u>Utility model</u>          | <input checked="" type="checkbox"/> <b>RU</b> Russian Federation                        |
| <input checked="" type="checkbox"/> <b>DK</b> Denmark <u>Utility model</u>          | <input checked="" type="checkbox"/> <b>SD</b> Sudan                                     |
| <input checked="" type="checkbox"/> <b>EE</b> Estonia                               | <input checked="" type="checkbox"/> <b>SE</b> Sweden                                    |
| <input checked="" type="checkbox"/> <b>ES</b> Spain                                 | <input checked="" type="checkbox"/> <b>SG</b> Singapore                                 |
| <input checked="" type="checkbox"/> <b>FI</b> Finland <u>Utility model</u>          | <input checked="" type="checkbox"/> <b>SI</b> Slovenia                                  |
| <input checked="" type="checkbox"/> <b>GB</b> United Kingdom                        | <input checked="" type="checkbox"/> <b>SL</b> Sierra Leone                              |
| <input checked="" type="checkbox"/> <b>GE</b> Georgia                               | <input checked="" type="checkbox"/> <b>SK</b> Slovakia <u>Utility Model</u>             |
| <input checked="" type="checkbox"/> <b>GH</b> Ghana                                 | <input checked="" type="checkbox"/> <b>TJ</b> Tajikistan                                |
| <input checked="" type="checkbox"/> <b>GM</b> Gambia                                | <input checked="" type="checkbox"/> <b>TM</b> Turkmenistan                              |
| <input checked="" type="checkbox"/> <b>GW</b> Guinea-Bissau                         | <input checked="" type="checkbox"/> <b>TR</b> Turkey                                    |
| <input checked="" type="checkbox"/> <b>HR</b> Croatia                               | <input checked="" type="checkbox"/> <b>TT</b> Trinidad and Tobago                       |
| <input checked="" type="checkbox"/> <b>HU</b> Hungary                               | <input checked="" type="checkbox"/> <b>UA</b> Ukraine                                   |
| <input checked="" type="checkbox"/> <b>ID</b> Indonesia                             | <input checked="" type="checkbox"/> <b>UG</b> Uganda                                    |
| <input checked="" type="checkbox"/> <b>IL</b> Israel                                | <input checked="" type="checkbox"/> <b>US</b> United States of America                  |
| <input checked="" type="checkbox"/> <b>IS</b> Iceland                               | <input checked="" type="checkbox"/> <b>UZ</b> Uzbekistan                                |
| <input checked="" type="checkbox"/> <b>JP</b> Japan                                 | <input checked="" type="checkbox"/> <b>VN</b> Viet Nam                                  |
| <input checked="" type="checkbox"/> <b>KE</b> Kenya                                 | <input checked="" type="checkbox"/> <b>YU</b> Yugoslavia                                |
| <input checked="" type="checkbox"/> <b>KG</b> Kyrgyzstan                            | <input checked="" type="checkbox"/> <b>ZW</b> Zimbabwe                                  |
| <input checked="" type="checkbox"/> <b>KP</b> Democratic People's Republic of Korea |   |
| <input checked="" type="checkbox"/> <b>KR</b> Republic of Korea                     |   |
| <input checked="" type="checkbox"/> <b>KZ</b> Kazakstan                             |   |
| <input checked="" type="checkbox"/> <b>LC</b> Saint Lucia                           |   |
| <input checked="" type="checkbox"/> <b>LK</b> Sri Lanka                             |   |
| <input checked="" type="checkbox"/> <b>LR</b> Liberia                               |   |

Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet:

☒ **South Africa**



**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

<b>Box No. VI PRIORITY CLAIM</b>		<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application:* regional office	international application: receiving Office
item (1)  11.03.1999	4997	Iceland		
item (1)				
item (1)				
<input checked="" type="checkbox"/> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): _____ * Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(iii). See Supplemental Box.				
<b>Box No. VII INTERNATIONAL SEARCHING AUTHORITY</b>				
<b>Choice of International Searching Authority (ISA)</b> (If two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):  ISA / SE		<b>Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):</b> Date (day/month/year)      Number      Country (or regional Office)		
<b>Box No. VIII CHECK LIST; LANGUAGE OF FILING</b>				
This international application contains the following number of sheets: request : 3 description (excluding sequence listing part) : 4 claims : 1 abstract : 1 drawings : 2 sequence listing part of description : Total number of sheets : 11		This international application is accompanied by the item(s) marked below: 1. <input checked="" type="checkbox"/> fee calculation sheet 2. <input type="checkbox"/> separate signed power of attorney 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: 4. <input type="checkbox"/> statement explaining lack of signature 5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): 6. <input type="checkbox"/> translation of international application into (language): 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form 9. <input type="checkbox"/> other (specify):		
<b>Figure of the drawings which should accompany the abstract:</b> 4		<b>Language of filing of the international application:</b> English		
<b>Box No. IX SIGNATURE OF APPLICANT OR AGENT</b>				
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).  <div style="text-align: center;"> <b>A&amp;P Arnason</b>    <b>Gunnar Orn Hardarson</b> </div>				

For receiving Office use only		2. Drawings:  <input type="checkbox"/> received:  <input type="checkbox"/> not received:
1. Date of actual receipt of the purported international application:		
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application.		
4. Date of timely receipt of the required corrections under PCT Article 11(2):		
5. International Searching Authority (if two or more are competent): ISA /	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid	

Date of receipt of the record copy by the International Bureau:	For International Bureau use only
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29-05-2001

5

New set of amended Patent Claims (amendments to claim 1 made in accordance with response sent 8 March are made in bold)

1. A device for carrying a child (24) upon the shoulder of an adult (24), comprising; seat section (21) partly encircling the neck of the adult, and a leg section (22) reaching down over the chest of the adult, the seat section (21) being a cushion saddle (1) **characterised in that** the leg section (22) having stirrups (12) for the child's feet, said stirrups carrying at least partly the child's weight **and thereby enhancing the upright sitting posture of the child.**
2. Device according to claim 1, wherein the upper surface (1) of the seat section (21) being forwardly inclined with respect to horizontal plane.
3. Device according to claim 1, wherein in the thickness of the seat section is decreasing in direction toward the leg section (22).
4. Device according to claim 1, 2 or 3, wherein in that the inclination of the seat section being about 4 - 10° with respect to horizontal plane.
5. Device according to claim 1, wherein in that the leg section (22) length being adjustable.
6. Device according to any one of the claim 1 - 5, wherein in that the inner part (5) of the seat section (21) is semi-circular and at least partly encircle the neck of the adult.

**Patent Claims**

- 5 1. A device for carrying a child (24) upon the shoulder of an adult (24), comprising; seat section (21) partly encircling the neck of the adult, and a leg section (22) reaching down over the chest of the adult, the seat section (21) being a cushion saddle (1) wherein the leg section (22) having stirrups (12) for the child's feet, said stirrups carrying at least partly the child's weight.
- 10 2. Device according to claim 1, wherein the upper surface (1) of the seat section (21) being forwardly inclined with respect to horizontal plane.
- 15 3. Device according to claim 1, wherein in the thickness of the seat section is decreasing in direction toward the leg section (22).
- 20 4. Device according to claim 1, 2 or 3, wherein in that the inclination of the seat section being about 4 - 10° with respect to horizontal plane.
- 25 5. Device according to claim 1, wherein in that the leg section (22) length being adjustable.
- 30 6. Device according to any one of the claim 1 - 5, wherein in that the inner part (5) of the seat section (21) is semi-circular and at least partly encircle the neck of the adult.